

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for NEROL

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Aeolanthus myriantha</i>	Flower				Wealth of India.
<i>Agathosma betulina</i>	Leaf Essent. Oil				--
<i>Aloysia citrodora</i>	Plant	52.0	364.0	-0.20710755808907458	--
<i>Artemisia vulgaris</i>	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Artemisia dracunculus</i>	Shoot	670.0	6700.0	3.4616488061589012	--
<i>Artemisia dracunculus</i>	Leaf Essent. Oil		670000.0	1.0	--
<i>Bursera delpechiana</i>	Wood				--
<i>Camellia sinensis</i>	Leaf				--
<i>Cananga odorata</i>	Flower				--
<i>Centella asiatica</i>	Shoot				Jim Duke's personal files.
<i>Cinnamomum verum</i>	Leaf Essent. Oil				--
<i>Cinnamomum verum</i>	Plant				--
<i>Cinnamomum verum</i>	Stem Bark				--
<i>Cinnamomum verum</i>	Leaf		120.0	0.11698444324247205	Mallavarupu, G. R. et al. 1995. Investigation of the essential oil of cinnamon leaf grown at Bangalore and Hyderabad. Flav. & Fragr. J., 10: 239-242.
<i>Cinnamomum camphora</i>	Leaf				--
<i>Cistus ladaniferus</i>	Leaf	22.0	1540.0	5.043056359759002	--
<i>Citrus paradisi</i>	Pericarp		3.0		--
<i>Citrus reticulata</i>	Fruit	0.4	0.8	-0.5635185349637161	--
<i>Citrus limon</i>	Pericarp Essent. Oil				Jim Duke's personal files.
<i>Citrus aurantium</i>	Plant				--
<i>Citrus limon</i>	Petiole		41.0		--
<i>Citrus limon</i>	Leaf Essent. Oil	8000.0	76000.0	-1.0	Jim Duke's personal files.
<i>Citrus limon</i>	Pericarp				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus sinensis	Fruit	0.7	1.0	-0.5477997473775594	--
Citrus aurantium	Leaf	100.0	150.0	0.2210563851407086	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Coriandrum sativum	Essential Oil				--
Coriandrum sativum	Seed Essent. Oil		6150.0	1.0	--
Coriandrum sativum	Fruit				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon nardus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cymbopogon winterianus	Plant	308.0	539.0	-0.09411044923299343	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon citratus	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Cymbopogon parkeri	Plant	2059.0	6189.0	3.5540819224062026	Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Elettaria cardamomum	Seed Essent. Oil		3000.0	-1.0	--
Elettaria cardamomum	Fruit	10.0	30.0	1.7314244526151554	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Elsholtzia pilosa	Shoot		1.0	-0.3177134482096298	--
Elsholtzia eriostachya	Shoot		11.0	-0.3120717669820309	Pant, A.K., Dev, V., Parihar, R., Mathela,C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from Elsholtzia eriostachya var. pusilla. J. Ess. Oil Res. 4: 547-549.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus behriana</i>	Leaf		85.0	-0.004432822305470601	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus sparsa</i>	Leaf		25.0	-0.2125767061019437	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus populnea</i>	Leaf		5.0	-0.2819580007007681	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus melanophloia</i>	Leaf	0.0	0.8	-0.29652807256652114	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus odorata</i>	Leaf		4.4	-0.2840394395387329	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus ochrophloia</i>	Leaf		0.5	-0.29756879198550357	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus cuprea	Leaf		6.4	-0.27710131007885047	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus leucoxylon	Leaf	0.0	5.5	-0.2802234683357975	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus viridis	Leaf	0.0	0.5	-0.29756879198550357	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus porosa	Leaf		10.0	-0.264612677051062	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus intertexta	Leaf		5.5	-0.2802234683357975	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus largisparsa	Leaf		4.6	-0.2833456265927445	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus fasciculosa</i>	Leaf	0.0	1.3	-0.2947935402015505	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus desquamata</i>	Leaf	0.0	15.0	-0.2472673534013559	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus lansdowneana</i>	Leaf		9.0	-0.2680817417810032	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Helichrysum angustifolium</i>	Plant	225.0	1000.0	0.2035562203821693	--
<i>Humulus lupulus</i>	Essential Oil				--
<i>Humulus lupulus</i>	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hypericum perforatum</i>	Plant	1.0	18.0	-0.4305189847416696	--
<i>Hyssopus officinalis</i>	Leaf	0.8	9.0	-0.2680817417810032	Flavour and Fragrance Journal, 6: 72.
<i>Hyssopus officinalis</i>	Flower	0.8	8.0	-1.1381482713893585	Flavour and Fragrance Journal, 6: 72.
<i>Jasminum officinale</i>	Flower				--
<i>Juniperus communis</i>	Fruit				--
<i>Juniperus communis</i>	Fruit Essent. Oil				--
<i>Laurus nobilis</i>	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula x intermedia</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lavandula latifolia</i>	Plant	1.0	15.0	-0.4324560780363453	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Mangifera indica</i>	Flower				--
<i>Melaleuca alternifolia</i>	Leaf		0.001	-0.2992998552857443	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Melia azedarach</i>	Wood				--
<i>Melissa officinalis</i>	Shoot	1.0	24.0	-0.30473758138615226	Deutsche Apot. Zitt. 129(4):155-163. W. Schulze et al. Die Melisse.
<i>Mentha x piperita</i>	Tissue Culture				--
<i>Mentha pulegium</i>	Plant	10.0	20.0	-0.4292275892118858	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha pulegium</i>	Essential Oil		1000.0	-0.8213756657344466	--
<i>Monarda fistulosa</i>	Plant	15.0	310.0	-0.24197523739323681	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Myristica fragrans</i>	Essential Oil				--
<i>Myrtus communis</i>	Plant				--
<i>Nepeta cataria</i>	Essential Oil		276000.0	1.407686585025154	--
<i>Nepeta cataria</i>	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Ocimum basilicum</i>	Shoot Essent. Oil		700.0		--
<i>Ocimum basilicum</i>	Plant	2.5	300.0	-0.24843221504215574	--
<i>Ocimum tenuiflorum</i>	Leaf				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
<i>Ocimum basilicum</i>	Essential Oil		30000.0	-0.586310919290707	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum vulgare</i>	Plant		0.6	-0.4417541258507886	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Origanum vulgare</i>	Plant		0.9	-0.4415604165213209	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
<i>Pelargonium citrosum</i>	Shoot		5.0	-0.3154567757185902	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant ' <i>Pelargonium citrosum</i> ' as a Repellent Against Populations of <i>Aedes</i> Mosquitoes. <i>J. Am. Mosq. Contr. Assoc.</i> 12(1):69-74.
<i>Pelargonium roseum</i>	Shoot		216.0	-0.19641730181625255	--
<i>Peumus boldus</i>	Leaf	0.0	12.0	-0.2576745475911795	--
<i>Pimenta racemosa</i>	Leaf	0.0	110.0	0.08229379594305986	--
<i>Polianthes tuberosa</i>	Flower				--
<i>Robinia pseudoacacia</i>	Flower				--
<i>Rosa centifolia</i>	Essential Oil				--
<i>Rosa gallica</i>	Flower	15.0	36.0	-0.8503997242209429	--
<i>Rosa damascena</i>	Essential Oil				--
<i>Rosmarinus officinalis</i>	Shoot		0.0	-0.3182776163323897	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. <i>Flavor and Fragrance Journal</i> , 1: 137-142. 1986.
<i>Salvia sclarea</i>	Plant	6.0	280.0	-0.2613461703399936	Flavour and Fragrance Journal, 6: 154.
<i>Sambucus nigra</i>	Flower Essent. Oil				--
<i>Satureja montana</i>	Plant	1.0	270.0	-0.2678031479889125	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of <i>Satureja montana</i> and <i>Satureja subspicata</i> from Yugoslavia. <i>J. Ess. Oil Res.</i> , 3: 153-158.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja hortensis</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sideritis mugronensis</i>	Flower	160.0	220.0	1.0405193000286461	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397.
<i>Sideritis scardica</i>	Shoot		65.0	-0.28160668835299657	Menkovic, N., et al. 1991. The Essential Oil of <i>Sideritis scardica</i> . <i>Pl. Med.</i> 57. Suppl. 2. pp. A137-A132.
<i>Sideritis mugronensis</i>	Leaf	55.0	80.0	-0.021778145955176693	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397.
<i>Skimmia arborescens</i>	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Tamarindus indica</i>	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Telosma cordata</i>	Flower		211.0	0.9480286955816554	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of <i>Telosma cordata</i> Merrill flowers, <i>Flavour Fragr. J.</i> , Vol 8, 221-223.
<i>Teucrium cyprium</i>	Leaf		50.0	-0.12585008785341326	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium kotschyanum</i>	Leaf		0.0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium divaricatum</i>	Leaf		0.0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium micropodioides</i>	Leaf		80.0	-0.021778145955176693	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Thymus funkii</i>	Shoot		16.0	-0.30925092636823137	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> . <i>Cousson. Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot		140.0	-0.2392940791460045	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus funkii</i>	Shoot		16.0	-0.30925092636823137	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> . <i>Cousson. Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot		0.0	-0.3182776163323897	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus x citriodorus</i>	Plant		280.0	-0.2613461703399936	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. & Fragr. J.</i> 10: 225-229.
<i>Thymus longicaulis</i>	Shoot		140.0	-0.2392940791460045	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Tilia</i> sp.	Flower				--
<i>Vaccinium corymbosum</i>	Fruit	0.02	0.08	-0.62010617027388	--
<i>Vaccinium myrtillus</i>	Fruit Juice		0.002		--
<i>Vitis vinifera</i>	Leaf				--
<i>Zingiber officinale</i>	Rhizome Essent. Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zingiber officinale	Rhizome				--